

Customer part no.		Date of issue:	14.01.2025
Description	Mini-Precision Current Transformer	Sample Quantity	
Customer Part No.		Customer DWG.No.	
Part No.	HY65-8-655XU60	Sample No.	8521T

ACKNOWLEDGMENT SPECIFICATION FOR APPROVAL

Approved by	Checked by	Checked by	Engineering

CUSTOMER APPROVED

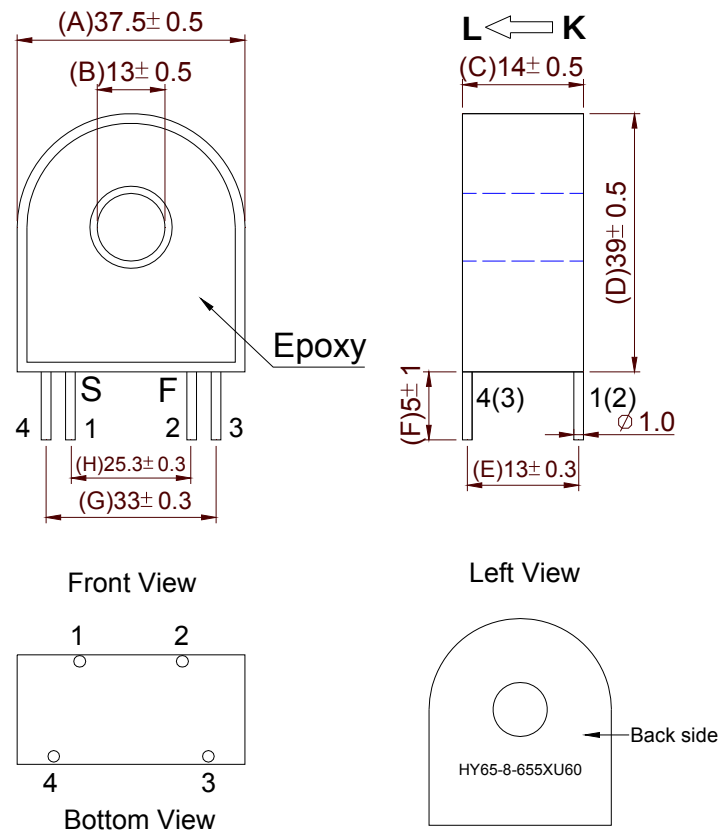
Approved by	Checked by	Acknowledged by



RoHS COMPLIANT

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Mechanical Dimensions in mm



Test Circuit:

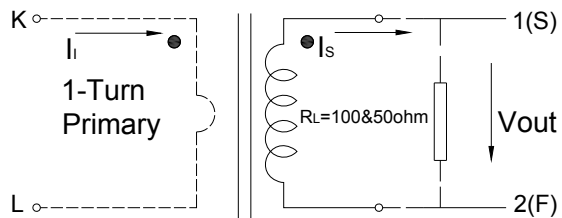
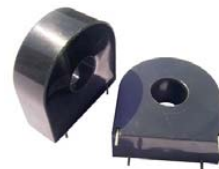


Photo:



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Electrical Specifications (@50Hz)

Rated Primary Current (Amp.) 50Hz/60Hz	75A (3.75-200A max.)
Turns Ratio	Np:Ns=1:1000ref
Current Ratio	75A/75mA
D.C.Resistance at 20°C (Ω)	28max.
Accuracy*	1% 0~90A @ RL ≤ 100Ω 1 % 0~200A @ RL ≤ 50Ω
Operating Temperature	-40~+85°C
Storage Temperature	-45~+90°C
Dielectric Withstanding Voltage (Hi-pot)	4KVrms / 1mA / 1min
Insulation Resistance	DC500V / 100MΩ min.
Note	Insulated plastic case recognized according to UL 94-V0.

*Accuracy meets IEC/EN61869-2 & IEEE/ANSI C57.13.

Mechanical Specifications

CUP	E202G15
Encapsulant	Epoxy
Output Terminal	4PIN Φ1.0
Approx. Weight	50g

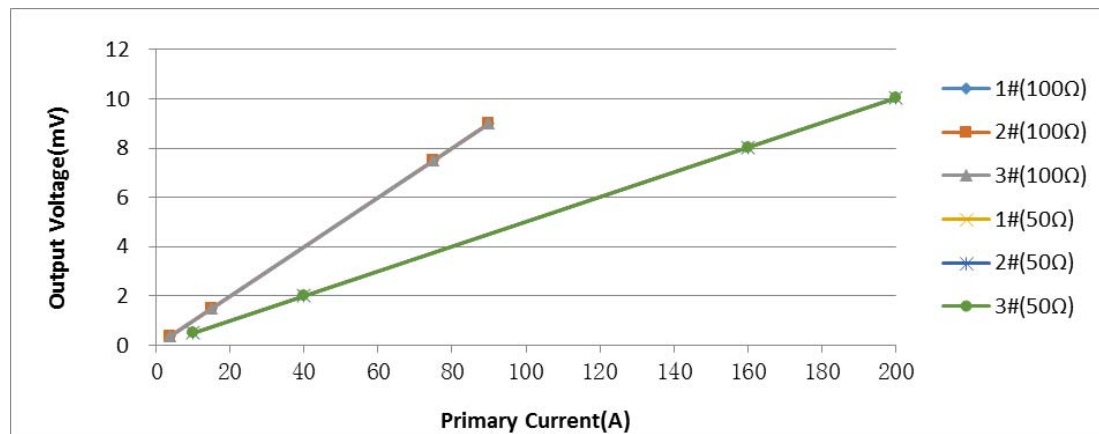
Safety Standards

CE (design reference only)	EN 61869-1:2009 (LVD) EN 61869-6:2016 (LVD) EN 61326-1:2013 (EMC)

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Measured Result ($T_A=25^{\circ}\text{C}$ @ 50Hz):

Current(A)		3.75	15	75	90	10	40	160	200	DCR(Ω)
		RL=100 Ω				RL=50 Ω				
SPEC	Vout(V)	0.375	1.5	7.5	9	0.5	2	8	10	28max.
		$\pm 3.0\%$	$\pm 1.5\%$	$\pm 1\%$	$\pm 1\%$	$\pm 3.0\%$	$\pm 1.5\%$	$\pm 1\%$	$\pm 1\%$	
		0.364	1.478	7.425	8.910	0.485	1.970	7.920	9.90	
		0.386	1.523	7.575	9.090	0.515	2.030	8.080	10.10	
1#	Vout(V)	0.373	1.497	7.496	8.997	0.499	2.004	8.036	10.03	20.5
2#	Vout(V)	0.373	1.497	7.498	9.002	0.498	2.002	8.029	10.03	20.7
3#	Vout(V)	0.372	1.496	7.493	8.998	0.498	2.000	8.029	10.04	20.8
AVE	Vout(V)	0.373	1.497	7.496	8.999	0.498	2.002	8.031	10.03	20.7
MAX	Vout(V)	0.373	1.497	7.498	9.002	0.499	2.004	8.036	10.04	20.8
MIN	Vout(V)	0.372	1.496	7.493	8.997	0.498	2.000	8.029	10.03	20.5

Output Curve:


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Material List

No.	ITEM	Part No.	UL File No.	CCN	MATERIAL	NOTE
1	CORE	CRTR0312STHC0	/	/	20JG or B20JG	
2	HOUSING	HSCT0388DG00	E107536	QMFZ2/8	E202G15	
3	CASE	CACT0335DG00	E107536	QMFZ2/8	E202G15	
4	WIRE	WR020NGS2U01	E201757	OBMW2	UEWN/U	
5	EPOXY	CHEP3300LD00 CHEP3300LD01	E218090	QMFZ2/8	/	Select anyone
	EPOXY	CHEP9002HL00 CHEP9002HL01	E222812	QMFZ2/8	9002GA/B	
6	PIN	PN1025CTCHX0	/	/	1.0TC	
7	SOLDER	CHSB0001XD01	/	/	Sn-0.3Ag-0.7Cu	

We are here for you. Addresses and Contacts.

Headquarter Switzerland:

Angst+Pfister Sensors and Power AG
Thurgauerstrasse 66
CH-8050 Zurich
Phone +41 44 877 35 00
sensorsandpower@angst-pfister.com

Office Germany:

Angst+Pfister Sensors and Power Deutschland GmbH
Edisonstraße 16
D-85716 Unterschleißheim
Phone +49 89 374 288 87 00
sensorsandpower.de@angst-pfister.com

Office North America:

Angst+Pfister North America Inc.
10391 Brecksville Rd.
US-Brecksville, OH 44141
Phone +1 440 375-5212
info.apus@angst-pfister.com

Scan here and get an overview of personal contacts!



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